

- 18 17. (New) The antenna according to claim 16, wherein said radiator is an elongated helical radiator.
- 19 18. (New) The antenna according to claim 17, wherein the second end of the feedback conductor is wound in at least one turn outside the helical radiator near the first end of the helical radiator.
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19 19. (New) The antenna according to claim 17, wherein the second end of the feedback conductor is isolated and bent substantially 180°, wherein at least a portion of said isolated end of the feedback conductor extends inside at least a portion of the helical radiator substantially in parallel with a longitudinal axis of the helical radiator.
- 20 20. (New) The antenna according to claim 17, wherein the second end of the feedback conductor is isolated and bent substantially 180°, wherein at least a portion of the isolated end of the feedback conductor extends outside the helical radiator substantially in parallel with a longitudinal axis of the helical radiator.
- 21 21. (New) The antenna according to claim 19, further comprising a base plate and at least one satellite radiator mounted on said base plate.
- 22 22. (New) The antenna according to claim 21, wherein two satellite radiators are mounted at opposite edges of the base plate and the helical radiator is positioned between the two satellite radiators.
- 23 23. (New) The antenna according to claim 21, wherein three satellite radiators are mounted at respective edges of the base plate and the helical radiator is positioned between the three satellite radiators.

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24. (New) The antenna according to claim 16, wherein the radiator and the feedback conductor are molded into a dielectric material.

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25. (New) The antenna according to claim 16, wherein the radiator and the feedback conductor are enclosed in a dielectric radome.

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26. (New) The antenna according to claim 16, wherein the radiator comprises a printed-pattern meander-shaped conductor.

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27. (New) The antenna according to claim 16, wherein the radiator comprises a patch antenna element.

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28. (New) A multi-layer printed circuit board, comprising an antenna including a radiator having a first end to be connected to radio circuitry in the portable communication apparatus, and a second end, a feedback conductor having a first end, which is electrically connected to the second end of the radiator, the feedback conductor extending along the radiator in a first direction from the second end of the radiator towards the first end of the radiator, wherein the feedback conductor includes a second end, extending along the radiator in a second direction towards the second end of the radiator, for tuning a frequency range of the antenna.

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29. (New) A portable communication apparatus, comprising an antenna including a radiator having a first end to be connected to radio circuitry in the portable communication apparatus, and a second end, a feedback conductor having a first end, which is electrically connected to the second end of the radiator, the feedback conductor extending along the radiator in a first direction from the second end of the radiator towards the first end of the radiator, wherein the feedback conductor includes a second end, extending along the radiator in a second direction towards the second end of the radiator, for tuning a frequency range of the antenna.

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30. (New) The portable communication apparatus according to claim 29, wherein the antenna is formed as a stub antenna mounted on a housing of the portable communication apparatus.

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31. (New) The portable communication apparatus according to claim 29, wherein the apparatus is a mobile telephone.
